Meilin Liu

List of Publications by Year
in descending order

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676	65,012	355 136	1341 223
papers	citations	h-index	g-index

705	705	705	42257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metalâ€“Air Batteries with High Energy Density: Liâ€“Air versus Znâ€“Air. Advanced Energy Materials, 2011, 1, 34-50.	10.2	1,906
2	A review on fundamentals and applications of electrophoretic deposition (EPD). Progress in Materials Science, 2007, 52, 1-61.	16.0	1,807
3	Nickelâ€“Cobalt Hydroxide Nanosheets Coated on NiCo₂O₄ Nanowires Grown on Carbon Fiber Paper for High-Performance Pseudocapacitors. Nano Letters, 2013, 13, 3135-3139.	4.5	992
4	Enhanced Sulfur and Coking Tolerance of a Mixed Ion Conductor for SOFCs: BaZr _{0.1} Ce _{0.7} Y _{0.2â€“} _x Yb _x O _{3â€“Î´}. Science, 2009, 326, 126-129.	6.0	954
5	Facile Synthesis of Nitrogenâ€Doped Graphene via Pyrolysis of Graphene Oxide and Urea, and its Electrocatalytic Activity toward the Oxygenâ€Reduction Reaction. Advanced Energy Materials, 2012, 2, 884-888.	10.2	840
6	Fiber Supercapacitors Made of Nanowireâ€Fiber Hybrid Structures for Wearable/Flexible Energy Storage. Angewandte Chemie - International Edition, 2011, 50, 1683-1687.	7.2	796
7	Recent developments in heterogeneous photocatalytic water treatment using visible light-responsive photocatalysts: a review. RSC Advances, 2015, 5, 14610-14630.	1.7	796
8	Chemical reduction of three-dimensional silica micro-assemblies into microporous silicon replicas. Nature, 2007, 446, 172-175.	13.7	727
9	Enhancing SOFC cathode performance by surface modification through infiltration. Energy and Environmental Science, 2014, 7, 552.	15.6	680
10	Recent Progress in Nonâ€Precious Catalysts for Metalâ€Air Batteries. Advanced Energy Materials, 2012, 2, 816-829.	10.2	652
11	Enhancing Electrocatalytic Activity of Perovskite Oxides by Tuning Cation Deficiency for Oxygen Reduction and Evolution Reactions. Chemistry of Materials, 2016, 28, 1691-1697.	3.2	635
12	Promotion of oxygen reduction by a bio-inspired tethered iron phthalocyanine carbon nanotube-based catalyst. Nature Communications, 2013, 4, 2076.	5.8	630
13	Ba(Zr0.1Ce0.7Y0.2)O3â€“Î´ as an Electrolyte for Low-Temperature Solid-Oxide Fuel Cells. Advanced Materials, 2006, 18, 3318-3320.	11.1	587
14	Sm0.5Sr0.5CoO3 cathodes for low-temperature SOFCs. Solid State Ionics, 2002, 149, 11-19.	1.3	576
15	Nanoporous Structures Prepared by an Electrochemical Deposition Process. Advanced Materials, 2003, 15, 1610-1614.	11.1	551
16	A comprehensive review of Li4Ti5O12-based electrodes for lithium-ion batteries: The latest advancements and future perspectives. Materials Science and Engineering Reports, 2015, 98, 1-71.	14.8	501
17	Hierarchical Network Architectures of Carbon Fiber Paper Supported Cobalt Oxide Nanonet for High-Capacity Pseudocapacitors. Nano Letters, 2012, 12, 321-325.	4.5	500
18	Flexible Znâ€“ and Liâ€“air batteries: recent advances, challenges, and future perspectives. Energy and Environmental Science, 2017, 10, 2056-2080.	15.6	477

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19	Nanostructured electrodes for lithium-ion and lithium-air batteries: the latest developments, challenges, and perspectives. Materials Science and Engineering Reports, 2011, 72, 203-252.	14.8	467
20	SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 1757-1763.	15.6	431
21	A Perovskite Electrocatalyst for Efficient Hydrogen Evolution Reaction. Advanced Materials, 2016, 28, 6442-6448.	11.1	429
22	Copper Foam Structures with Highly Porous Nanostructured Walls. Chemistry of Materials, 2004, 16, 5460-5464.	3.2	413
23	Three-dimensional ultrathin Ni(OH)2 nanosheets grown on nickel foam for high-performance supercapacitors. Nano Energy, 2015, 11, 154-161.	8.2	379
24	A Perovskite Nanorod as Bifunctional Electrocatalyst for Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1602122.	10.2	369
25	3D Nitrogen-doped graphene prepared by pyrolysis of graphene oxide with polypyrrole for electrocatalysis of oxygen reduction reaction. Nano Energy, 2013, 2, 241-248.	8.2	367
26	Controlled synthesis of NiCo2S4 nanostructured arrays on carbon fiber paper for high-performance pseudocapacitors. Nano Energy, 2015, 16, 71-80.	8.2	354
27	High-Performance Energy Storage and Conversion Materials Derived from a Single Metalâ€“Organic Framework/Graphene Aerogel Composite. Nano Letters, 2017, 17, 2788-2795.	4.5	348
28	Enhancing Sodium Ion Battery Performance by Strongly Binding Nanostructured Sb₂S₃ on Sulfur-Doped Graphene Sheets. ACS Nano, 2016, 10, 10953-10959.	7.3	344
29	Effect of particle size and dopant on properties of SnO2-based gas sensors. Sensors and Actuators B: Chemical, 2000, 69, 144-152.	4.0	341
30	Markedly Enhanced Oxygen Reduction Activity of Single-Atom Fe Catalysts via Integration with Fe Nanoclusters. ACS Nano, 2019, 13, 11853-11862.	7.3	340
31	Three-Dimensional Porous Copper-Tin Alloy Electrodes for Rechargeable Lithium Batteries. Advanced Functional Materials, 2005, 15, 582-586.	7.8	339
32	Simple preparation of nanoporous few-layer nitrogen-doped graphene for use as an efficient electrocatalyst for oxygen reduction and oxygen evolution reactions. Carbon, 2013, 53, 130-136.	5.4	331
33	Nanoscale Surface Modification of Lithiumâ€Rich Layeredâ€Oxide Composite Cathodes for Suppressing Voltage Fade. Angewandte Chemie - International Edition, 2015, 54, 13058-13062.	7.2	331
34	Nickel-based pillared MOFs for high-performance supercapacitors: Design, synthesis and stability study. Nano Energy, 2016, 26, 66-73.	8.2	330
35	Harnessing the concurrent reaction dynamics in active Si and Ge to achieve high performance lithium-ion batteries. Energy and Environmental Science, 2018, 11, 669-681.	15.6	329
36	A tailored double perovskite nanofiber catalyst enables ultrafast oxygen evolution. Nature Communications, 2017, 8, 14586.	5.8	327

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37	A Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction: Nâ€Doped Ketjenblack Incorporated into Fe/Fe₃Câ€Functionalized Melamine Foam. Angewandte Chemie - International Edition, 2013, 52, 1026-1030.	7.2	324
38	A Highly Sensitive and Fast-Responding SnO2 Sensor Fabricated by Combustion Chemical Vapor Deposition. Chemistry of Materials, 2005, 17, 3997-4000.	3.2	317
39	A Novel Composite Cathode for Lowâ€Temperature SOFCs Based on Oxide Proton Conductors. Advanced Materials, 2008, 20, 3280-3283.	11.1	314
40	Low-temperature SOFCs based on Gd0.1Ce0.9O1.95 fabricated by dry pressing. Solid State Ionics, 2001, 144, 249-255.	1.3	313
41	Enhancing Electrocatalytic Activity for Hydrogen Evolution by Strongly Coupled Molybdenum Nitride@Nitrogen-Doped Carbon Porous Nano-Octahedrons. ACS Catalysis, 2017, 7, 3540-3547.	5.5	306
42	Dramatically enhanced reversibility of Li₂O in SnO₂-based electrodes: the effect of nanostructure on high initial reversible capacity. Energy and Environmental Science, 2016, 9, 595-603.	15.6	300
43	Self-Assembled Triple-Conducting Nanocomposite as a Superior Protonic Ceramic Fuel Cell Cathode. Joule, 2019, 3, 2842-2853.	11.7	292
44	Germanium Nanotubes Prepared by Using the Kirkendall Effect as Anodes for Highâ€Rate Lithium Batteries. Angewandte Chemie - International Edition, 2011, 50, 9647-9650.	7.2	288
45	Highly efficient and robust cathode materials for low-temperature solid oxide fuel cells: PrBa0.5Sr0.5Co2â^'xFexO5+Î´. Scientific Reports, 2013, 3, 2426.	1.6	285
46	Promotion of water-mediated carbon removal by nanostructured barium oxide/nickel interfaces in solid oxide fuel cells. Nature Communications, 2011, 2, 357.	5.8	280
47	From Ni-YSZ to sulfur-tolerant anode materials for SOFCs: electrochemical behavior, in situ characterization, modeling, and future perspectives. Energy and Environmental Science, 2011, 4, 4380.	15.6	280
48	Anion and cation substitution in transition-metal oxides nanosheets for high-performance hybrid supercapacitors. Nano Energy, 2019, 57, 22-33.	8.2	279
49	A Lowâ€Cost, Selfâ€Standing NiCo₂O₄@CNT/CNT Multilayer Electrode for Flexible Asymmetric Solidâ€State Supercapacitors. Advanced Functional Materials, 2017, 27, 1702160.	7.8	277
50	V₅S₈â€“graphite hybrid nanosheets as a high rate-capacity and stable anode material for sodium-ion batteries. Energy and Environmental Science, 2017, 10, 107-113.	15.6	274
51	Construction of MoS₂/C Hierarchical Tubular Heterostructures for High-Performance Sodium Ion Batteries. ACS Nano, 2018, 12, 12578-12586.	7.3	272
52	Rational SOFC material design: new advances and tools. Materials Today, 2011, 14, 534-546.	8.3	263
53	Densely Populated Isolated Single Coï¿¿N Site for Efficient Oxygen Electrocatalysis. Advanced Energy Materials, 2019, 9, 1900149.	10.2	262
54	Ketjenblack Carbon Supported Amorphous Manganese Oxides Nanowires as Highly Efficient Electrocatalyst for Oxygen Reduction Reaction in Alkaline Solutions. Nano Letters, 2011, 11, 5362-5366.	4.5	261

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55	Facile preparation of nitrogen-doped graphene as a metal-free catalyst for oxygen reduction reaction. Physical Chemistry Chemical Physics, 2012, 14, 3381.	1.3	261
56	A New rGOâ€Overcoated Sb₂Se₃ Nanorods Anode for Na⁺ Battery: In Situ Xâ€Ray Diffraction Study on a Live Sodiation/Desodiation Process. Advanced Functional Materials, 2017, 27, 1606242.	7.8	258
57	Tripleâ€Conducting Layered Perovskites as Cathode Materials for Protonâ€Conducting Solid Oxide Fuel Cells. ChemSusChem, 2014, 7, 2811-2815.	3.6	257
58	Anionic defect engineering of transition metal oxides for oxygen reduction and evolution reactions. Journal of Materials Chemistry A, 2019, 7, 5875-5897.	5.2	252
59	Achieving Fast and Durable Lithium Storage through Amorphous FeP Nanoparticles Encapsulated in Ultrathin 3D P-Doped Porous Carbon Nanosheets. ACS Nano, 2020, 14, 9545-9561.	7.3	250
60	A Highâ€Performance Electrocatalyst for Oxygen Evolution Reaction: LiCo_{0.8}Fe_{0.2}O₂. Advanced Materials, 2015, 27, 7150-7155.	11.1	249
61	Controlling cation segregation in perovskite-based electrodes for high electro-catalytic activity and durability. Chemical Society Reviews, 2017, 46, 6345-6378.	18.7	246
62	Novel Cathodes for Low-Temperature Solid Oxide Fuel Cells. Advanced Materials, 2002, 14, 521-523.	11.1	243
63	Anomalous Pseudocapacitive Behavior of a Nanostructured, Mixed-Valent Manganese Oxide Film for Electrical Energy Storage. Nano Letters, 2012, 12, 3483-3490.	4.5	234
64	A high-performance supercapacitor electrode based on N-doped porous graphene. Journal of Power Sources, 2018, 387, 43-48.	4.0	231
65	MOF-derived Î±-NiS nanorods on graphene as an electrode for high-energy-density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 4003-4012.	5.2	231
66	A robust fuel cell operated on nearly dry methane at 500 Â°C enabled by synergistic thermal catalysis and electrocatalysis. Nature Energy, 2018, 3, 1042-1050.	19.8	230
67	Advances in Cathode Materials for Solid Oxide Fuel Cells: Complex Oxides without Alkaline Earth Metal Elements. Advanced Energy Materials, 2015, 5, 1500537.	10.2	229
68	Design and understanding of dendritic mixed-metal hydroxide nanosheets@N-doped carbon nanotube array electrode for high-performance asymmetric supercapacitors. Energy Storage Materials, 2019, 16, 632-645.	9.5	225
69	A Highly Efficient Multi-phase Catalyst Dramatically Enhances the Rate of Oxygen Reduction. Joule, 2018, 2, 938-949.	11.7	221
70	Sulfur Poisoning and Regeneration of Ni-Based Anodes in Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2007, 154, B201.	1.3	217
71	Mechanistic Origin of the High Performance of Yolk@Shell Bi₂S₃@N-Doped Carbon Nanowire Electrodes. ACS Nano, 2018, 12, 12597-12611.	7.3	213
72	Probing the Charge Storage Mechanism of a Pseudocapacitive MnO₂ Electrode Using in Operando Raman Spectroscopy. Chemistry of Materials, 2015, 27, 6608-6619.	3.2	212

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73	Bigger is Surprisingly Better: Agglomerates of Larger RuP Nanoparticles Outperform Benchmark Pt Nanocatalysts for the Hydrogen Evolution Reaction. Advanced Materials, 2018, 30, e1800047.	11.1	212
74	Controlled synthesis of three-phase NixSy/rGO nanoflake electrodes for hybrid supercapacitors with highÂenergy and power density. Nano Energy, 2017, 33, 522-531.	8.2	211
75	Rational Design of Nickel Hydroxideâ€Based Nanocrystals on Graphene for Ultrafast Energy Storage. Advanced Energy Materials, 2018, 8, 1702247.	10.2	211
76	Hybrid-solid oxide electrolysis cell: A new strategy for efficient hydrogen production. Nano Energy, 2018, 44, 121-126.	8.2	209
77	Characterization of sulfur poisoning of Niâ€“YSZ anodes for solid oxide fuel cells using in situ Raman microspectroscopy. Solid State Ionics, 2007, 178, 925-935.	1.3	206
78	Fabrication of SnS₂/Mn₂SnS₄/Carbon Heterostructures for Sodium-Ion Batteries with High Initial Coulombic Efficiency and Cycling Stability. ACS Nano, 2019, 13, 3666-3676.	7.3	205
79	A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. Energy and Environmental Science, 2017, 10, 964-971.	15.6	204
80	Promotion of Oxygen Reduction by Exsolved Silver Nanoparticles on a Perovskite Scaffold for Low-Temperature Solid Oxide Fuel Cells. Nano Letters, 2016, 16, 512-518.	4.5	202
81	Engineering phosphorus-doped LaFeO3-Î´ perovskite oxide as robust bifunctional oxygen electrocatalysts in alkaline solutions. Nano Energy, 2018, 47, 199-209.	8.2	202
82	A highly active, CO₂-tolerant electrode for the oxygen reduction reaction. Energy and Environmental Science, 2018, 11, 2458-2466.	15.6	202
83	Raman Spectroscopy of Nickel Sulfide Ni₃S₂. Journal of Physical Chemistry C, 2007, 111, 17997-18000.	1.5	195
84	Phase evolution of an alpha MnO 2 -based electrode for pseudo-capacitors probed by in operando Raman spectroscopy. Nano Energy, 2014, 9, 161-167.	8.2	195
85	Promotion of Proton Conduction in Polymer Electrolyte Membranes by 1H-1,2,3-Triazole. Journal of the American Chemical Society, 2005, 127, 10824-10825.	6.6	193
86	Reduced-Temperature Solid Oxide Fuel Cells Fabricated by Screen Printing. Electrochemical and Solid-State Letters, 2001, 4, A52.	2.2	192
87	Boosting Oxygen Evolution Reaction by Creating Both Metal Ion and Latticeâ€Oxygen Active Sites in a Complex Oxide. Advanced Materials, 2020, 32, e1905025.	11.1	190
88	Crosslinking Graphene Oxide into Robust 3D Porous Nâ€Doped Graphene. Advanced Materials, 2015, 27, 5171-5175.	11.1	188
89	Unusual synergistic effect in layered Ruddlesdenâ^'Popper oxide enables ultrafast hydrogen evolution. Nature Communications, 2019, 10, 149.	5.8	187
90	Lithium-Doping Stabilized High-Performance P2â€“Na_{0.66}Li_{0.18}Fe_{0.12}Mn_{0.7}O₂ Cathode for Sodium Ion Batteries. Journal of the American Chemical Society, 2019, 141, 6680-6689.	6.6	187

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91	Densely Populated Single Atom Catalysts. Small Methods, 2020, 4, 1900540.	4.6	185
92	Atomically dispersed Feâ€“Nâ€“C decorated with Pt-alloy coreâ€“shell nanoparticles for improved activity and durability towards oxygen reduction. Energy and Environmental Science, 2020, 13, 3032-3040.	15.6	185
93	Characterization of O2â€“CeO2 Interactions Using In Situ Raman Spectroscopy and First-Principle Calculations. ChemPhysChem, 2006, 7, 1957-1963.	1.0	184
94	Suppression of Sr surface segregation in La_{1â^'x}Sr_xCo_{1â^'y}Fe_yO_{3â^'Î´}: a first principles study. Physical Chemistry Chemical Physics, 2013, 15, 489-496.	1.3	182
95	Hybrid Composite Ni(OH)₂@NiCo₂O₄ Grown on Carbon Fiber Paper for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2013, 5, 11159-11162.	4.0	181
96	Free-standing N-self-doped carbon nanofiber aerogels for high-performance all-solid-state supercapacitors. Nano Energy, 2019, 63, 103836.	8.2	178
97	Heterointerface engineering for enhancing the electrochemical performance of solid oxide cells. Energy and Environmental Science, 2020, 13, 53-85.	15.6	178
98	Porous Tin Oxides Prepared Using an Anodic Oxidation Process. Advanced Materials, 2004, 16, 237-240.	11.1	177
99	Photoelectron spectroscopy study of oxygen vacancy on vanadium oxides surface. Applied Surface Science, 2004, 236, 473-478.	3.1	177
100	Enhancement of La0.6Sr0.4Co0.2Fe0.8O3-Î´ durability and surface electrocatalytic activity by La0.85Sr0.15MnO3Â±Î´ investigated using a new test electrode platform. Energy and Environmental Science, 2011, 4, 2249.	15.6	176
101	Chemically activated hollow carbon nanospheres as a high-performance anode material for potassium ion batteries. Journal of Materials Chemistry A, 2018, 6, 24317-24323.	5.2	174
102	La0.6Sr0.4Co0.2Fe0.8O3â^'Î´ cathodes infiltrated with samarium-doped cerium oxide for solid oxide fuel cells. Journal of Power Sources, 2010, 195, 4704-4708.	4.0	173
103	In situ fabrication of CoFe alloy nanoparticles structured (Pr0.4Sr0.6)3(Fe0.85Nb0.15)2O7 ceramic anode for direct hydrocarbon solid oxide fuel cells. Nano Energy, 2015, 11, 704-710.	8.2	173
104	High-performance hybrid supercapacitors based on self-supported 3D ultrathin porous quaternary Zn-Ni-Al-Co oxide nanosheets. Nano Energy, 2016, 28, 475-485.	8.2	173
105	Well-Alignedâ€œNano-Box-Beamsâ€•of SnO2. Advanced Materials, 2004, 16, 353-356.	11.1	171
106	Unraveling the Nature of Anomalously Fast Energy Storage in T-Nb₂O₅. Journal of the American Chemical Society, 2017, 139, 7071-7081.	6.6	171
107	A solid oxide fuel cell operating on hydrogen sulfide (H2S) and sulfur-containing fuels. Journal of Power Sources, 2004, 135, 17-24.	4.0	170
108	Woodâ€Derived Hierarchically Porous Electrodes for Highâ€Performance Allâ€Solidâ€State Supercapacitors. Advanced Functional Materials, 2018, 28, 1806207.	7.8	170

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109	Electrical properties and sulfur tolerance of La0.75Sr0.25Cr1â^'xMnxO3 under anodic conditions. Journal of Solid State Chemistry, 2005, 178, 1844-1850.	1.4	169
110	Functionalized Bimetallic Hydroxides Derived from Metalâ€"Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. ACS Energy Letters, 2017, 2, 1263-1269.	8.8	167
111	Growth of Aligned Square-Shaped SnO2 Tube Arrays. Advanced Functional Materials, 2005, 15, 57-62.	7.8	165
112	A mixed proton, oxygen ion, and electron conducting cathode for SOFCs based on oxide proton conductors. Journal of Power Sources, 2010, 195, 471-474.	4.0	164
113	Crystallinity Dependence of Ruthenium Nanocatalyst toward Hydrogen Evolution Reaction. ACS Catalysis, 2018, 8, 5714-5720.	5.5	162
114	Recent Progress in Electrocatalysts for Acidic Water Oxidation. Advanced Energy Materials, 2020, 10, 2000478.	10.2	162
115	Enhanced performance of LSCF cathode through surface modification. International Journal of Hydrogen Energy, 2012, 37, 8613-8620.	3.8	161
116	Nitrogen-doped bamboo-like carbon nanotubes as anode material for high performance potassium ion batteries. Journal of Materials Chemistry A, 2018, 6, 15162-15169.	5.2	161
117	Novel Solid Redox Polymerization Electrodes: Allâ€Solidâ€State, Thinâ€Film, Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 1991, 138, 1891-1895.	1.3	160
118	A high-performance anode for lithium ion batteries: Fe₃O₄ microspheres encapsulated in hollow graphene shells. Journal of Materials Chemistry A, 2015, 3, 11847-11856.	5.2	159
119	A high-energy, long cycle-life hybrid supercapacitor based on graphene composite electrodes. Energy Storage Materials, 2017, 7, 32-39.	9.5	157
120	Woodâ€Derived Materials for Advanced Electrochemical Energy Storage Devices. Advanced Functional Materials, 2019, 29, 1902255.	7.8	157
121	Oxygen- and Nitrogen-Enriched 3D Porous Carbon for Supercapacitors of High Volumetric Capacity. ACS Applied Materials & Interfaces, 2015, 7, 24622-24628.	4.0	156
122	In situ X-ray diffraction characterization of NiSe2 as a promising anode material for sodium ion batteries. Journal of Power Sources, 2017, 343, 483-491.	4.0	155
123	Heterostructured Nanocubeâ€Shaped Binary Sulfide (SnCo)S₂ Interlaced with Sâ€Doped Graphene as a Highâ€Performance Anode for Advanced Na⁺ Batteries. Advanced Functional Materials, 2019, 29, 1807971.	7.8	154
124	Core-shell structured Fe2O3@Fe3C@C nanochains and Niâ€"Co carbonate hydroxide hybridized microspheres for high-performance battery-type supercapacitor. Journal of Power Sources, 2021, 482, 228915.	4.0	153
125	Improving the Activity for Oxygen Evolution Reaction by Tailoring Oxygen Defects in Double Perovskite Oxides. Advanced Functional Materials, 2019, 29, 1901783.	7.8	152
126	Porous silicon negative electrodes for rechargeable lithium batteries. Journal of Power Sources, 2005, 139, 314-320.	4.0	151

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127	Heterointerface Engineering of Hierarchical Bi₂S₃/MoS₂ with Selfâ€Generated Rich Phase Boundaries for Superior Sodium Storage Performance. Advanced Functional Materials, 2020, 30, 1910732.	7.8	151
128	A robust sulfur host with dual lithium polysulfide immobilization mechanism for long cycle life and high capacity Li-S batteries. Energy Storage Materials, 2019, 16, 344-353.	9.5	150
129	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. Energy Storage Materials, 2019, 22, 66-95.	9.5	149
130	X-ray photoelectron spectroscopy of La0.5Sr0.5MnO3. Materials Letters, 2005, 59, 1980-1983.	1.3	145
131	1H-1,2,4-Triazole:â€‰ An Effective Solvent for Proton-Conducting Electrolytes. Chemistry of Materials, 2005, 17, 5884-5886.	3.2	144
132	Efficient Electroâ€Catalysts for Enhancing Surface Activity and Stability of SOFC Cathodes. Advanced Energy Materials, 2013, 3, 1149-1154.	10.2	144
133	A Theoretical Study of Surface Reduction Mechanisms of CeO2(111) and (110) by H2. ChemPhysChem, 2007, 8, 849-855.	1.0	142
134	MoS₂-covered SnS nanosheets as anode material for lithium-ion batteries with high capacity and long cycle life. Journal of Materials Chemistry A, 2018, 6, 592-598.	5.2	142
135	Designing and Understanding the Superior Potassium Storage Performance of Nitrogen/Phosphorus Coâ€Doped Hollow Porous Bowlâ€Like Carbon Anodes. Advanced Functional Materials, 2021, 31, .	7.8	142
136	Fabrication and modification of solid oxide fuel cell anodes via wet impregnation/infiltration technique. Journal of Power Sources, 2013, 237, 243-259.	4.0	140
137	Chemically Stable Yttrium and Tin Coâ€Doped Barium Zirconate Electrolyte for Next Generation High Performance Protonâ€Conducting Solid Oxide Fuel Cells. Advanced Energy Materials, 2013, 3, 1041-1050.	10.2	140
138	Effect of Zr-Doping on the Chemical Stability and Hydrogen Permeation of the Niâˆ’BaCe0.8Y0.2O3-Î±Mixed Protonicâˆ’Electronic Conductor. Chemistry of Materials, 2006, 18, 4647-4650.	3.2	139
139	Defect Engineering in Single-Layer MoS₂ Using Heavy Ion Irradiation. ACS Applied Materials & Interfaces, 2018, 10, 42524-42533.	4.0	138
140	Microstructures, conductivities, and electrochemical properties of Ce0.9Gd0.1O2 and GDCâ€“Ni anodes for low-temperature SOFCs. Solid State Ionics, 2002, 152-153, 423-430.	1.3	137
141	MoS 2 encapsulated SnO 2 -SnS/C nanosheets as a high performance anode material for lithium ion batteries. Chemical Engineering Journal, 2017, 316, 393-400.	6.6	136
142	Uncovering the Effect of Lattice Strain and Oxygen Deficiency on Electrocatalytic Activity of Perovskite Cobaltite Thin Films. Advanced Science, 2019, 6, 1801898.	5.6	136
143	Electrochemical Properties of Organic Disulfide/Thiolate Redox Couples. Journal of the Electrochemical Society, 1989, 136, 2570-2575.	1.3	135
144	Title is missing!. Journal of Materials Science, 1999, 34, 3213-3219.	1.7	133

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145	Co₃O₄ Nanosheets as Active Material for Hybrid Zn Batteries. Small, 2018, 14, e1800225.	5.2	131
146	Identification of nickel sulfides on Niâ€“YSZ cermet exposed to H2 fuel containing H2S using Raman spectroscopy. Journal of Power Sources, 2006, 156, 461-465.	4.0	129
147	Recent Advances in Perovskite Oxides as Electrode Materials for Nonaqueous Lithiumâ€“Oxygen Batteries. Advanced Energy Materials, 2017, 7, 1602674.	10.2	129
148	Influence of cell voltage and current on sulfur poisoning behavior of solid oxide fuel cells. Journal of Power Sources, 2007, 172, 688-693.	4.0	128
149	Progress and Prospects in Symmetrical Solid Oxide Fuel Cells with Two Identical Electrodes. Advanced Energy Materials, 2015, 5, 1500188.	10.2	128
150	Preparation of yttria-stabilized zirconia (YSZ) films on La0.85Sr0.15MnO3 (LSM) and LSMâ€“YSZ substrates using an electrophoretic deposition (EPD) process. Journal of the European Ceramic Society, 2001, 21, 127-134.	2.8	127
151	A Simple and Costâ€Effective Approach to Fabrication of Dense Ceramic Membranes on Porous Substrates. Journal of the American Ceramic Society, 2001, 84, 1903-1905.	1.9	127
152	DNA Functionalized Single-Walled Carbon Nanotubes for Electrochemical Detection. Journal of Physical Chemistry B, 2005, 109, 20072-20076.	1.2	127
153	Oxygen Reduction on LaMnO3-Based Cathode Materials in Solid Oxide Fuel Cells. Chemistry of Materials, 2007, 19, 1690-1699.	3.2	126
154	Ni-Ce0.9Gd0.1O1.95 anode for GDC electrolyte-based low-temperature SOFCs. Solid State Ionics, 2004, 166, 241-250.	1.3	125
155	Systematic study on structural and electronic properties of diamine/triamine functionalized graphene networks for supercapacitor application. Nano Energy, 2017, 31, 183-193.	8.2	124
156	Novel Nanostructured Electrodes for Solid Oxide Fuel Cells Fabricated by Combustion Chemical Vapor Deposition (CVD). Advanced Materials, 2004, 16, 256-260.	11.1	122
157	Suppressing dendrite growth by a functional electrolyte additive for robust Li metal anodes. Energy Storage Materials, 2019, 23, 701-706.	9.5	122
158	Computational study of sulfurâ€“nickel interactions: A new Sâ€“Ni phase diagram. Electrochemistry Communications, 2007, 9, 2212-2217.	2.3	121
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